

PRELIMINARY AMENDMENT
Attorney Docket Q63479

REMARKS

Entry and consideration of this Amendment are respectfully requested.

Respectfully submitted,



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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The specification is changed as follows:

Page 1, after the title, insert the heading

BACKGROUND OF THE INVENTION

Page 2, line 13 (according to the line numbering), insert the heading

SUMMARY OF THE INVENTION

Page 4, line 11, insert the heading

BRIEF DESCRIPTION OF THE INVENTION

line 21, insert the heading

DETAILED DESCRIPTION OF THE INVENTION

IN THE ABSTRACT OF DISCLOSURE:

The abstract is changed as follows:

Abstract

~~Transmitting and receiving device for a multipoint-to-point network~~

~~The object of the invention is to provide a~~A synchronization procedure for a multipoint-to-point CDMA network (2), which minimizes the influence on the information transmission. Instead of interleaving communications and synchronization signals timewise, a simultaneous emission is proposed, in which the synchronization signals are superimposed on the communications signals.

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The synchronization signals are coded with a special synchronization code (6), which does not correspond to the CDMA communications code of the information signals, e.g Barker code. In addition, the synchronization signals are sent at a lower amplitude compared with the communications signals. The synchronization signals are also modulated (7) prior to sending, in particular using alternating multiplication by +1 and -1. On the receiving side (3), the synchronization signals are detected by demodulation (12; 15), correlation (13; 16) and subsequent accumulation. The transmission capacity for the communications signals is maximized by this procedure and the influence of the synchronization signals on the communications signals minimized.

(Fig. 1)